



# NHP-P100

## IP Controller



### Key Features

High-performance, One-door PoE+ powered IP Controller. Equipped with one reader port with capacity for up to two OSDP readers. Includes three supervised inputs, and up to two unsupervised patented OSDP Flex inputs. Built-in FAI connection for code compliant output power drop. One field selectable relay output capable of providing Wet (12/24VDC) or Dry contacts for maximum flexibility.

- Supports 1 door
- 1 Wiegand/OSDP reader port (supports up to 2 OSDP readers)
- 3 supervised inputs
- Up to 2 unsupervised OSDP flex inputs
- 1 Form-C wet relay output with dry/12VDC/24VDC power selector
- Built-in tamper monitoring
- 1 dedicated RJ-45 10/100 PoE+ Ethernet port
- Onboard power monitoring with memory retention
- Supports up to 50,000 cardholders
- 250,000 offline event cache
- Secure operation with TLS 1.3 and AES-256 encryption
- Power: PoE+, 12-24VDC
- Current draw: 480mA on PoE+
- Dimensions: 7.24" × 7.24" × 1.67" (184mm × 184mm × 42.5mm)

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## Specifications

Access	
Doors	1 Door
Credentials	50,000
Event History (offline event cache)	250,000
Hardware	
Reader Ports	1
Reader Port Specs	Single Wiegand or (2) OSDP Readers per port
Reader Port Power	300mA@12VDC
Reader Port Protocol Support	Wiegand, OSDP v2.2
General Purpose Inputs	3
Input Specs	Supervised (1k/2kΩ)
OSDP Flex Inputs	2 (unsupervised)
General Purpose Outputs	1
Wet Output Capabilities	Dry, 12VDC, 24VDC
Output Specs	2A@30VDC (Dry), 500mA@12VDC, 350mA@24VDC
Dedicated Inputs	Case Tamper (built-in), Mount Tamper (built-in), Fire Alarm Input (FAI)
REX Power Ports	1
REX Power Port Specs	12VDC 100mA
Operational	
Host Communication Modes	Direct-to-Cloud, Standalone Mode (EntryGuard)
Network	
Ethernet	RJ-45(10/100BASE-T)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, NTP, HTTP, HTTPS, SSL/TLS, SMTP, ICMP, IGMP, SNMP v3(MIB-2), ARP, DDNS, DNS, UPnP, Bonjour, LLDP
Application Programming Interface	ONVIF Profile A, ONVIF Profile C, SUNAPI (HTTP API), Hanwha Vision Open Platform (HVOP)
Security	
Network Security	HTTPS (SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1X authentication (EAP-TLS, EAP-LEAP), SNMP v3, TLS 1.2/1.3

## Security

OS/Firmware Protect	Firmware verification, Secure Boot
Data Protection	Encryption at rest
Device ID	Device certificate (Hanwha Vision Root CA)
Security Certificate	TPM with FIPS 140-3 Level 3

## Environmental & Electrical

Operating Condition	Temperature	-20°C~+60°C (-4°F~+140°F)
	Humidity	20~85% RH (non-condensing)
Storage Condition	Temperature	-50°C~+55°C (-58°F~+131°F)
	Humidity	Less than 95% RH
Input Voltage	12VDC, 24VDC, PoE(IEEE802.3af, Class2), PoE(IEEE802.3af, Class3), PoE+(IEEE802.3at, Class4)	
Power Consumption	PoE+: Max 480mA, 12VDC: Max 2.08A, 24VDC: Max 1.04A	

## Mechanical

Color	White
Material	Aluminum
Product Dimensions	184x184x43mm (7.24x7.24x1.69in)
Product Weight	1.1kg (2.43lb)
Certification	IK10 (Excluding Front Window)

## Certifications & Standards

Security	UL294, SIA OSDP Verified
EMC	FCC 47 CFR Part 15, Subpart B
Safety	UL 62368-1, ULc 62368-1
Environment	UL2043, California Prop 65, UKCA, CE

## General

Webpage Language	English, Korean, French
Memory	8GB eMMC
Included Accessories	Installation Manual, Terminal blocks, T20 Tool, FAI Cable Jumper
Warranty	5 years

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## CAD

Unit: mm [inch]

STANDARD GANG		
A	SINGLE	83.5 (3.29)
B	4*OCTAGON	88 (3.46)
C	DOUBLE	83.5 (3.29) x 46 (1.81)

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2		
1	NHP-P100 / P200	'25.08.08
No.	MODEL NAME	DATE
Unit:mm[inch] SCALE:1/2		

-3/C : 208452-